

AE4™
Adventist Education in the
4th Industrial Revolution

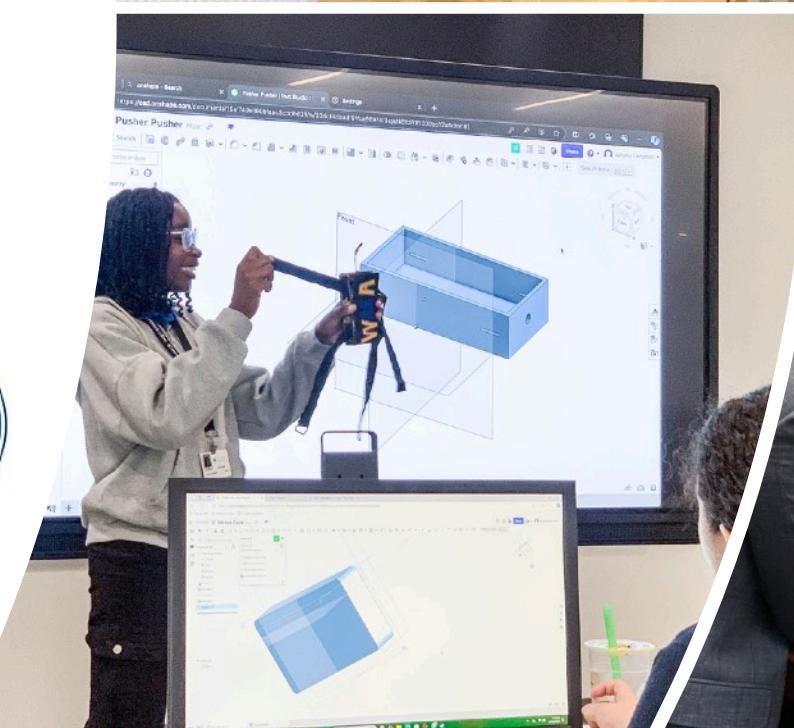
Florida Conference Institute for Leadership & Innovation

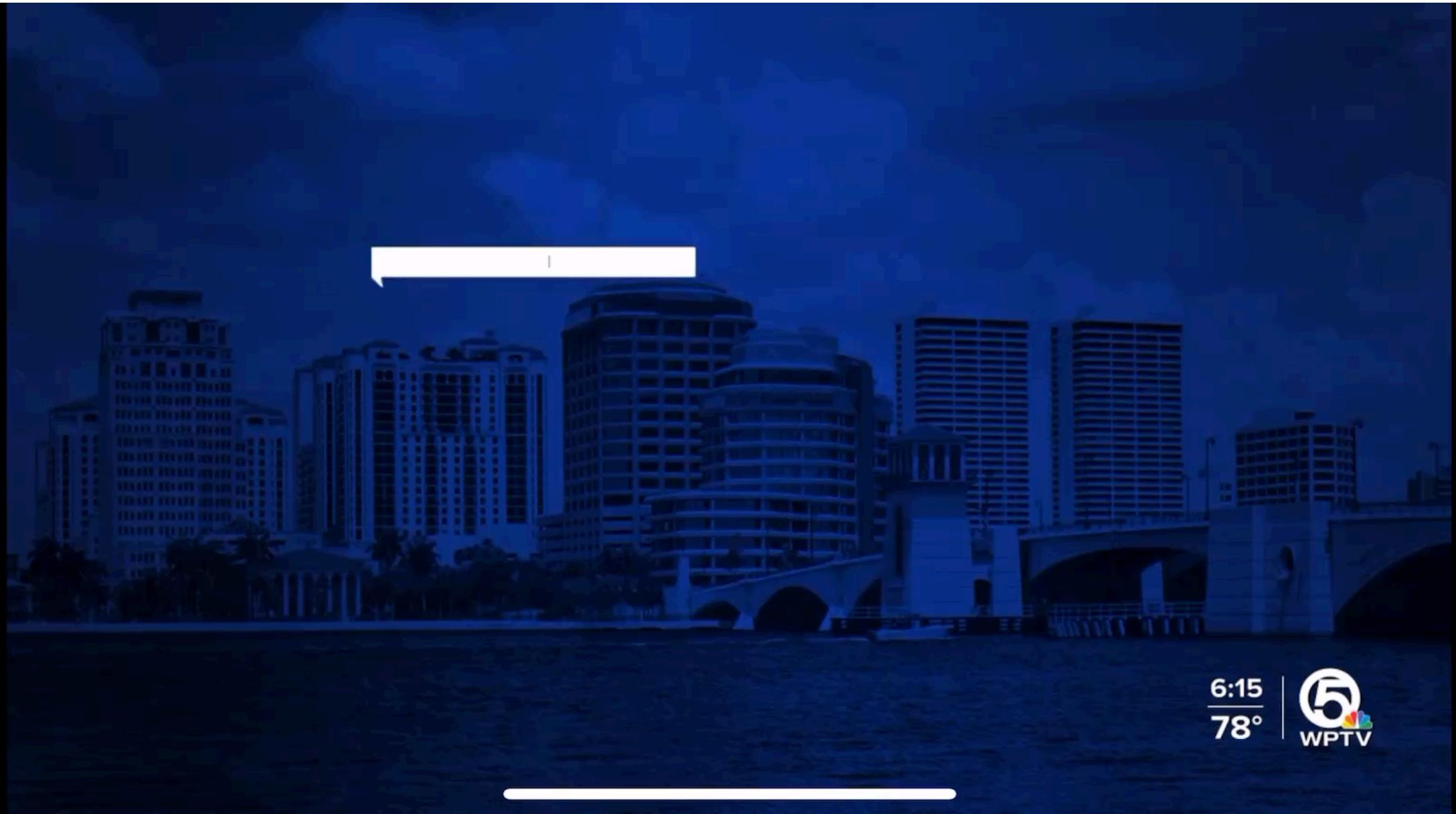


LOMA LINDA
UNIVERSITY



AdventHealth





6:15
78°





Hi Michelle,

I wanted to introduce you to Robert Henley, Director of Florida Conference Institute of Innovation, an innovation focused school in Orlando. **He blew me away when he showed me what his high school students are doing around innovation and applied STEM activities. He has his students working on various verticals from research, social innovation, or entrepreneurship and they work to build STEM projects that drive their educational learning. Every one of his freshman students has to build a robotic hand that is controlled through electrical impulses in their arms!** Very impressive stuff and I wanted to make the introduction to you and our admissions team.

I think there is a good conversation to be had about his students and our Presidential Scholarship at Poly. We even brought up the possibility of his students being interested in a researched focused scholarship in the future if that ever comes up. Do you mind connecting with Robert and telling him about what our admissions process? I think there could be some good opportunity for partnership or at least working together to build a bridge so his students can easily apply to Poly. I think any one of his students could win our presidential scholarships and be our ideal students going forward! Thanks Michelle.

All the Best,

Justin Heacock
Entrepreneurship Center Coordinator
Florida Polytechnic University

"Even in its early stages, the Innovation Program was a game changer for my son and his circle of friends who participated.

Through the study and hands-on application of the Design Thinking Process, collaboration, and the practice of persistence, he learned valuable life skills that have manifested in his success as an industrial designer who continually makes meaningful contributions to his team. He has been promoted significantly faster than his industry peers.

In a job market that is quickly becoming more competitive and reliant on AI tools, the Innovation Program is the future of Adventist Education."

-Nathan Nazario, VP of Business Development at Digital Brew

Vision

To empower all students to own their learning, shape their dreams, and realize the destiny that God has for their lives.

Mission

To Reimagine Education in the Florida Conference through Innovation.



OAKWOOD
UNIVERSITY

FLCOE AE4 Alumni School Admissions



FAMU-FSU
College of Engineering



UNIVERSITY OF
CENTRAL FLORIDA



Walla Walla
University



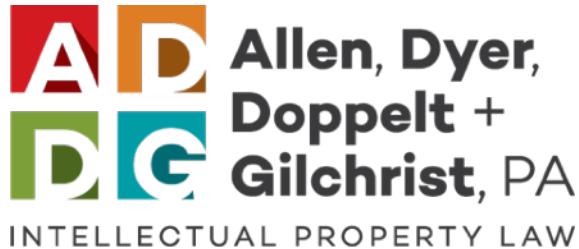
EMBRY-RIDDLE
Aeronautical University



GT Georgia
Tech.



FLCOE AE4 Partners



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ECOTEK
Science at Work!



FULL SAIL
UNIVERSITY®

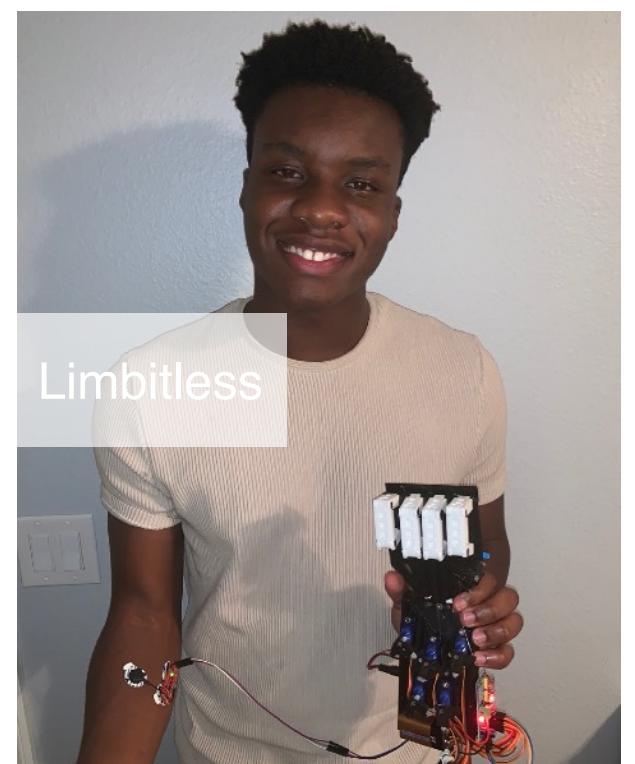
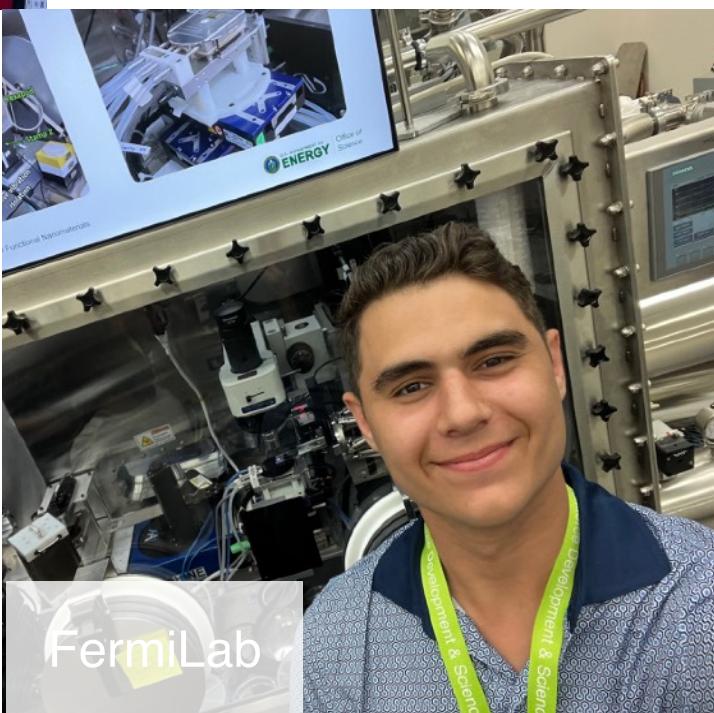




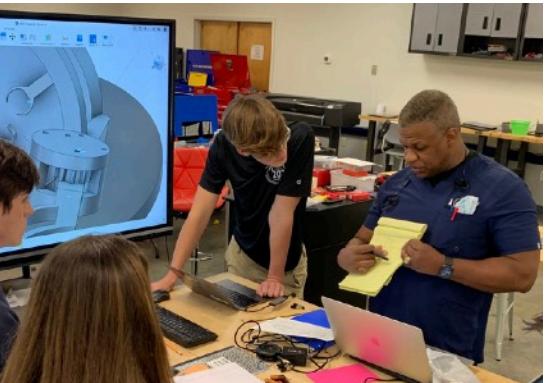
K-20+ Multi-year STEM+C Pipeline



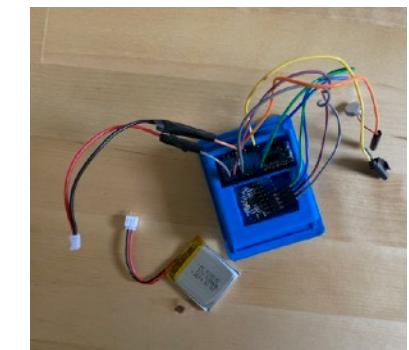
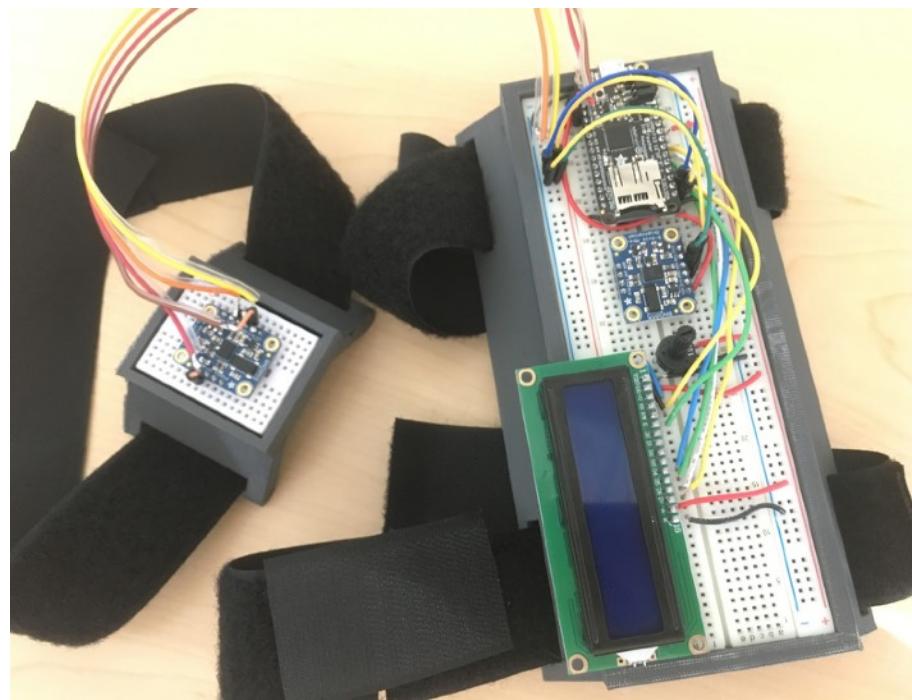
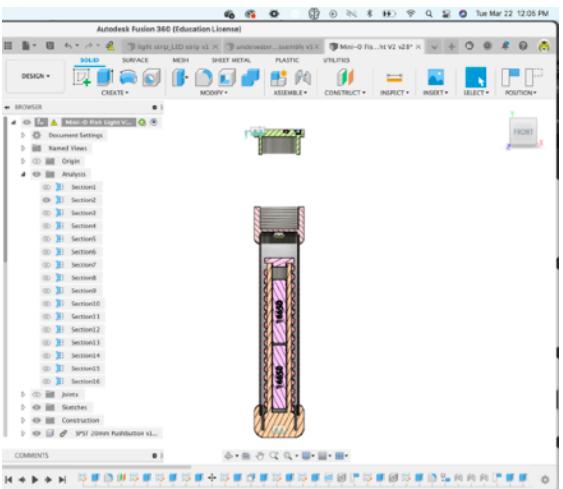
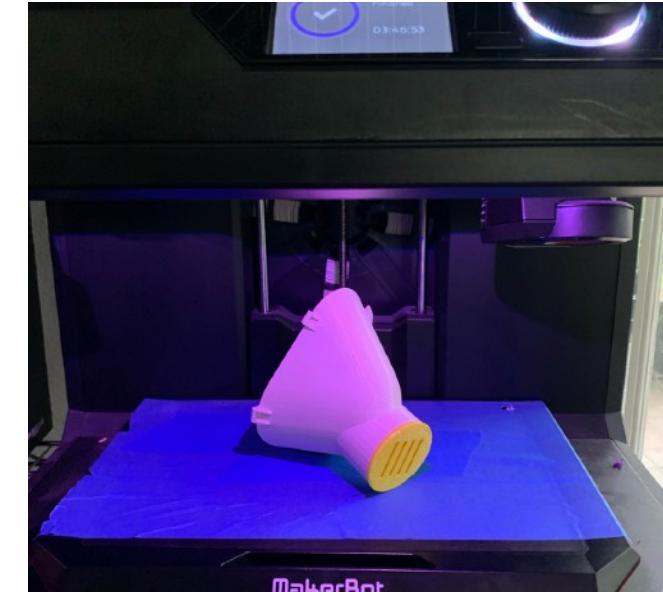
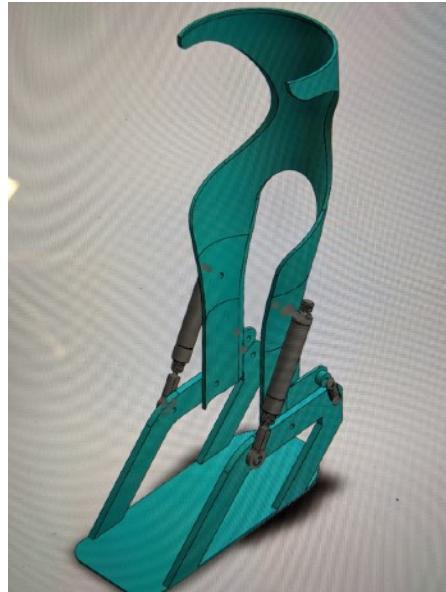
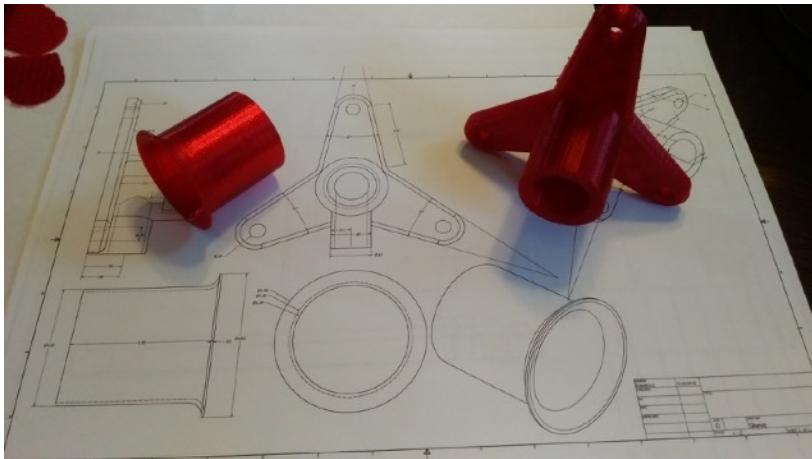
Internships as College Freshmen



External Clients



Student Prototypes





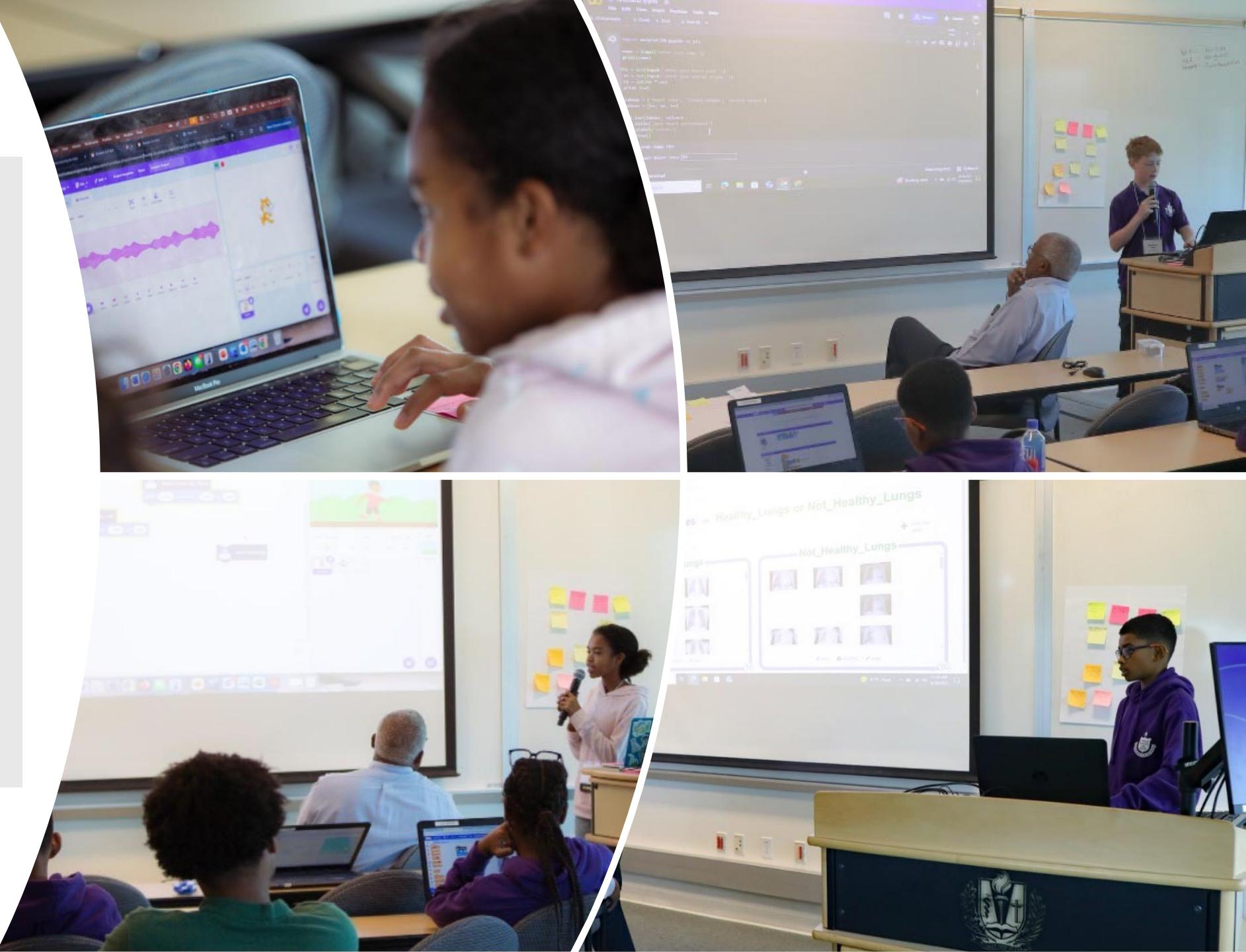
Entrepreneurship

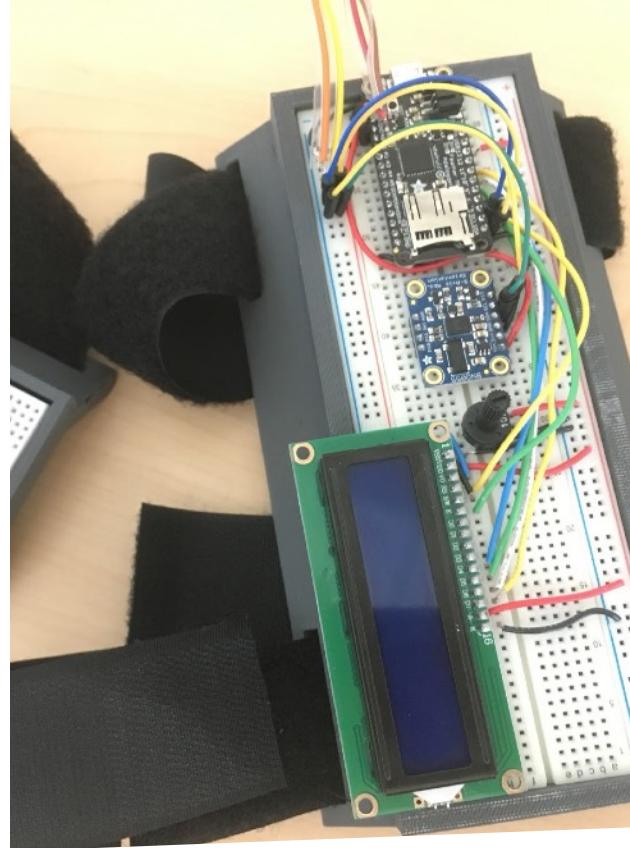


AI/Machine Learning in HealthCare



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Loma Linda University EXSEED Student Week & Biomechatronics Collaborationism

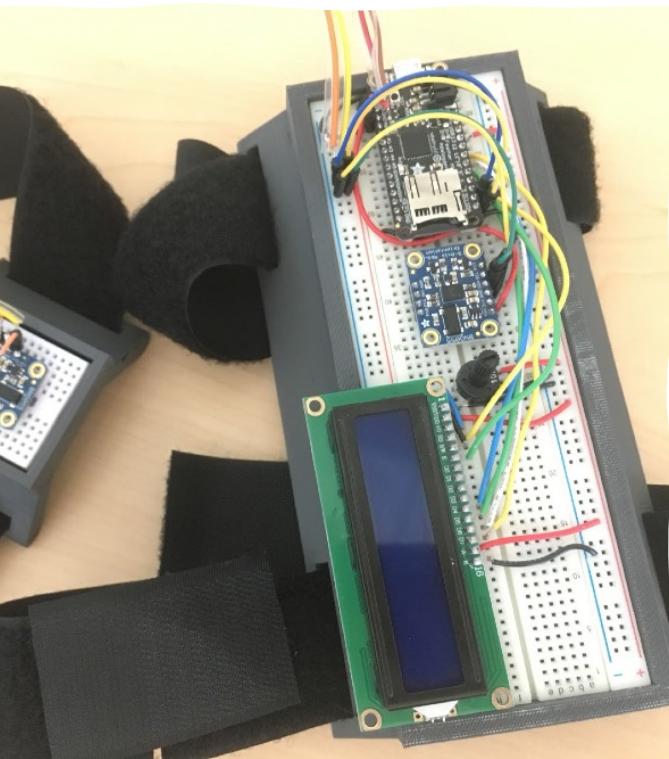


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Biomechatronics & Robotics



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Industry 4.0 Skills

- Prototyping
- AI/Machine Learning
- App Development
- Pitch Deck
- Business Model Canvas
- Web Development
- Physical Computing
- Coding
- CAD
- Industrial Design
- 3D Printing
- Technical Writing/Engineering Notebook

AE4 Framework

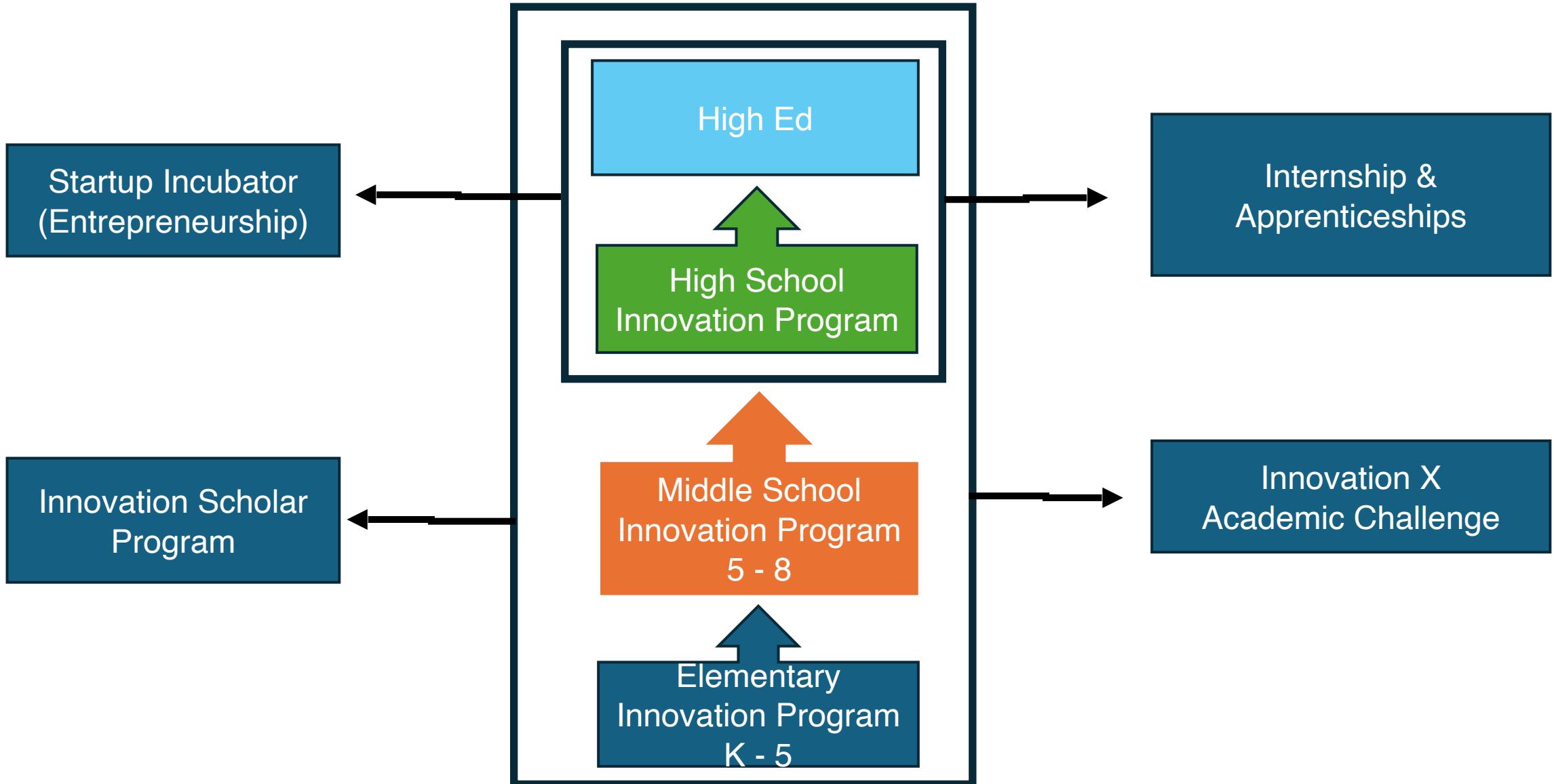
Design
Thinking

Scrum

Lean Startup

Ventureship

AE4.0 Innovation Ecosystem





Innovus , Florida Conference Innovation Center

by the FLCOE Institute for Leadership
and Innovation





Born for this Moment God's Innovation Assignment



**“Before I formed
you in the womb I
knew you, before
you were born I
set you apart;
I appointed you as
a [leader] to the
nations.”**

Jeremiah 1:5



“A person’s gift
maketh room for
them, and
bringeth them
before great
men.”

Proverbs 18:16



“All your children
will be taught by
the LORD, and
great will be their
peace.”

Isaiah 54:13



Born for this Moment God's Innovation Assignment



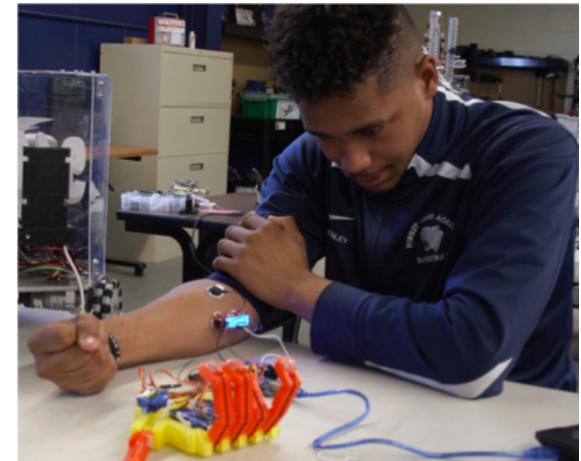
The education of Jesus



Born for this Moment God's Innovation Assignment



"A mind that is stretched by a new experience can never go back to its old dimensions."
- Oliver Wendell Holmes, Jr.



www.flcoeinovation.org



**“Before I formed you in
the womb I knew you.”**

Launched in 2017, the FLCOE Innovation Initiative is dedicated to transforming education by fostering creativity,